

CreamWare Audio GmbH

After the turnaround, with more than ten years of experience in designing high-quality audio systems, we continue on our way with concentrated energy.

Many users of our products appreciate the ultimate flexibility of the SCOPE platform they know from their daily work and experience; and they feel that the results just sound better. Users say this is because the plugins of the SCOPE platform are often the best money can buy. Our DSP-based systems deliver the same exceptional audio quality and latency-free performance on any computer.

As a CreamWare user, you will simply have more sound, more fun, and more options. Discover the world of the SCOPE platform - with the launch of version 4.0, the systems will again become simpler, more powerful, and more appealing. And we will aggressively expand this platform. Join us and ascend into the DSP spheres of audio.

Your CreamWare Team

"Power Pulsar is like adding afterburners to your setup; it's not too much to say it has transformed my studio in a way that reminds me of when I first started using computers. Not having to deal with synth Latency is a huge attraction, the sound quality is awesome, the software is visually striking and the whole concept is genius."

Craig Anderton, EQ-Magazine, USA

The SCOPE Platform, Version 4.0

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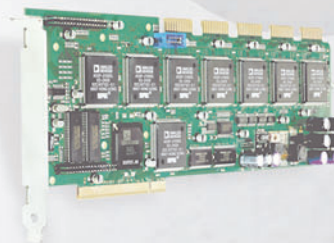
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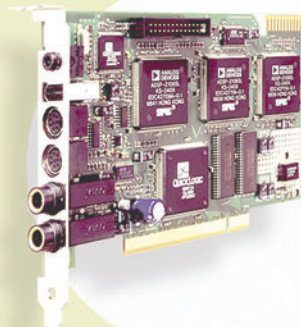
Noah - Ground braking:S. 29 - 31

The first hardware synthesizer based on software plug-in technology combines the best of both worlds.



SCOPE home

Much more than just an I/O board, SCOPE home is the perfect solution for entering the world of professional recording. Equipped with three DSPs, it provides the uncompromising CreamWare audio quality and performance for recording, mixing, surround sound, and effects processing.



scopeTM
HOME

SCOPE home integrates with all common sequencers (Cubase, Logic, Cakewalk ...) thanks to the extensive driver pack providing ultra-low latency, unlimited and flexible routing of all inputs and outputs, and compatibility with the huge plug-in library of the SCOPE platform.

NEW in 4.0

- now includes a plug-in pack with 35 high-quality effects
- now includes the STS-4000 sampler
- now includes the Modular II synthesizer

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Hardware Features:

- PCI board equipped with 3 SHARC DSPs for PC & Mac
- analog stereo I/O and digital stereo S/PDIF I/O
- 24 bit/96 kHz supported by all I/Os
- Z-Link port connecting to the A16 converter
- expandable to 36 I/Os max. using the home expansion (2 x ADAT I/O + Z-Link)
- all I/Os utilizable in parallel and at the same time
- up to 3 boards from the SCOPE range seamlessly cascadable using the S/TDM Bus
- high-speed drivers for ASIO 2.0, DirectSound, MME, tripleDAT, GSIF, Sound Manager, OMS
- MIDI interface (in & out)

Highlights:

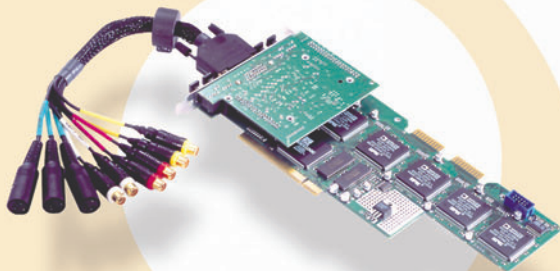
- onboard 16/32-channel recording mixer and 16-channel 5.1 surround mixer
- onboard DSP effects (MasterVerb pro-quality reverb, filters, dynamics, modulation effects, etc.)
- mixer and effects ready for live use - no latency, for perfect monitoring!
- integrates external studio gear into native software for live applications
- unique audio-driver management, suitable for your existing applications
- Compatible with the huge SCOPE plug-in library



PC requirements: 400 MHz or better, 128 MB of memory, Microsoft Windows ME or better
Mac requirements: G3 B/W, 400 MHz, 128 MB of memory, MacOS 9.x

SCOPE project

With 6 DSPs, SCOPE project presents more resources and more professional tools to the ambitious producer - for more tracks and powerful mixes with perfect audio quality. Or select a dazzling array of sounds and sophisticated synthesis with the Synth & Sampler Pack.



scope[™]
PROJECT

SCOPE project is shipped with either the extensive Synth&Sampler Pack (p. 25) or the Mix&Master Pack (p. 20). Thus, SCOPE project adds top-class sound and flexibility to any native system - for an extremely reasonable price.

NEW in 4.0

- now includes a large plug-in pack at buyer's option (Synth & Sampler Pack or Mix & Master Pack)
- now includes the STS-4000 sampler
- now includes the Modular II synthesizer

Hardware Features:

- PCI board equipped with 6 SHARC DSPs for PC & Mac
- 3 different I/O options:
 - classic: unbalanced analog (RCA), S/P-DIF (RCA), 2 x ADAT
 - plus: balanced analog (XLR), AES/EBU (XLR), 2 x ADAT
 - Z-Link: unbalanced analog (RCA), S/P-DIF (RCA), 1 x ADAT, 2 x Z-Link
- all I/Os utilizable in parallel and at the same time
- up to 3 boards from the SCOPE range seamlessly cascadable using the S/TDM Bus
- high-speed drivers for ASIO 2.0, DirectSound, MME, tripleDAT, GSIF, Sound Manager, OMS
- MIDI interface (in & out)

Highlights:

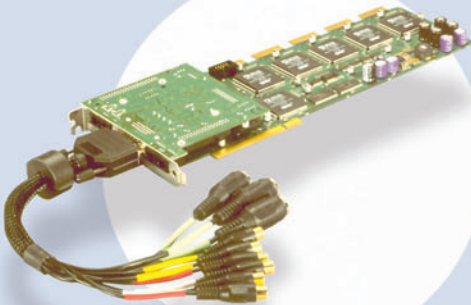
- full-fledged 24/48-channel mixer for internal and external signals
- more than 50 exceptional effects, incl. MasterVerb high-end reverb
- 9 virtual synthesizers: analog, wavetable, vector synthesis and more
- modular synthesizer featuring more than 140 modules and 80 ready-to-play patches
- thousands of inspiring sounds
- STS-4000 professional DSP-based studio sampler
- live processing with no latency at all, for perfect monitoring
- 32-bit floating-point processing
- SCOPE Live Bar for convenient control of the entire setup
- upgradeable with all plug-ins of the SCOPE Fusion platform



PC requirements: 400 MHz or better, 128 MB of memory, Microsoft Windows ME or better
Mac requirements: G3 B/W, 400 MHz, 128 MB of memory, MacOS 9.x

SCOPE professional

The big SCOPE for the multi-producer who demands unlimited resources and is not willing to compromise; everything you need for audio recording - synthesizers and samplers plus mixing and mastering tools in one package. Unlike SCOPE project, SCOPE professional includes both the Mix&Master Pack and the Synth&Sampler Pack. This turns SCOPE professional into an unprecedented universal and valuable sound tool.



SCOPE professional is a package providing ultimate DSP power plus a set of software that leaves no wish unfulfilled. Uncompromising and incredibly creative. Be inspired!

NEW in 4.0

- now includes both the big plug-in packs - off the shelf!
- now includes the STS-4000 sampler
- now includes the Modular II synthesizer

Hardware Features:

- PCI board equipped with 14 SHARC DSPs for PC & Mac
- 3 different I/O options:
 - classic: unbalanced analog (RCA), S/P-DIF (RCA), 2 x ADAT
 - plus: balanced analog (XLR), AES/EBU (XLR), 2 x ADAT
 - Z-Link: unbalanced analog (RCA), S/P-DIF (RCA), 1 x ADAT, 2 x Z-Link
- all I/Os utilizable in parallel and at the same time
- up to 3 boards from the SCOPE range seamlessly cascable using the S/TDM Bus
- high-speed drivers for ASIO 2.0, DirectSound, MME, tripleDAT, GSIF, Sound Manager, OMS
- MIDI interface (in & out)

Highlights:

- full-fledged 48/96-channel mixer for internal and external signals
- more than 50 exceptional effects, incl. MasterVerb Pro, Vinco, etc.
- a collection of great synthesizers: MiniMax, Vectron, SB-404, etc.
- modular synthesizer featuring more than 140 modules and 80 ready-to-play patches
- thousands of inspiring sounds
- STS-4000 professional DSP-based studio sampler
- live processing with no latency at all
- 32-bit floating-point processing
- SCOPE Live Bar for convenient control of the entire setup
- upgradeable with all plug-ins of the SCOPE Fusion platform



PC requirements: 400 MHz or better, 128 MB of memory, Microsoft Windows ME or better
Mac requirements: G3 B/W, 400 MHz, 128 MB of memory, MacOS 9.x

4.0 Feature List

	HOME	PROJECT	PROFESSIONAL
Hardware			
3 DSP hardware plus I/Os	+	--	--
6 DSP hardware	--	+	--
14 DSP hardware	--	--	+
I/O daughterboard	--	+	+
ADAT/Z-Link I/O Expansion	option	--	--
SyncPlate	0	0	0
General			
Studio Tools Package	+	+	+
Live routing environment	+	+	+
Live Bar	+	+	+
Ultra-low latency driver set	+	+	+
VST-sequencer integration	+	+	+
Basic Packages			
Effects Package	+	+	+
Sampler Package	+	+	+
Modular II Synth	+	+	+

New: All versions incl. SCOPE home are shipped with Effects Package 1, Sampler, and Modular II

	HOME	PROJECT	PROFESSIONAL
Extensions			
Mix Extension	0	+	+
(former Mix Package I)			
Effects Extension	0	+	+
(former Effects Package II)			
Synth Extension	0	+	+
(former Synth Pack I+II)			
Modular III	0	+	+

Every SCOPE project and SCOPE professional now comes with the Modular III!



The SCOPE Platform

As a SCOPE purchaser, you not only obtain the DSP board of your choice, but also a perfectly matched software package featuring recording tools (mixers, effects, etc.), and exclusive sound machines (synthesizers or samplers). This provides you with a highly flexible studio system that can be configured, adapted, and used according to your specific needs: You control how SCOPE works!



SCOPE for recording and mastering: Use your SCOPE system for recording, mixing, and mastering - just like a flexible powerful digital mixer with latency-free (!) real-time DSP plug-ins and other quality features. You can control the overall setup and/or hard-disk recording simply from your familiar audio/MIDI sequencer with all its extra functionality. Dedicated mastering plug-ins provide for a powerful transparent sound. Read more about SCOPE for recording and mastering from page 18.



SCOPE as a synthesizer and sampler: The SCOPE platform offers you an amazing variety of synthesizers ranging from basic to highly complex modular systems based on a multitude of synthesis methods including analog, FM, and wavetable synthesis etc. Our optional latest-generation synthesizers including the Minimax, the B2003, and the Prodissey, produce perfect emulations of the originals. The synthesizers as well as the flexible samplers of the SCOPE platform have virtually no latency, thus providing perfect timing. Try and play the SCOPE plug-ins - they feel like solid hardware! Read more about SCOPE as a synthesizer and sampler from page 23.

The Critical Benefits of a SCOPE DSP System

Whatever your application, a SCOPE system will enhance your existing equipment with exceptional components - for your individual ultimate sound. Already the sound of the SCOPE platform is reason enough to get one; using the plug-ins can catapult your productions into the big league.

At the same time, you can still use all your native software and external hardware components. Thanks to its latency-free audio performance, SCOPE even interconnects native software and your "outside-world" audio equipment. The integrative concept of SCOPE always means added value for you!

SCOPE is fully expandible. DSP power, I/Os, and software can all be updated thanks to the modular structure - even monster configurations comprising as much as 42 DSPs and more than 100 inputs and outputs can be implemented. If you want a faster computer, you have to buy a new one; if you want a faster SCOPE, just boost it!

Compared to conventional software, why is the audio quality of the SCOPE platform so much better?

The considerable DSP power of the platform itself allows for implementing only sophisticated top-notch algorithms - we have always focused on quality. For example, the synthesizers on our platform rarely provide extensive polyphony but the sound just blows right into your face. There is, however, one more technological motive: The employed SHARC DSP was specifically designed to perform high-resolution audio processing. It always processes the audio with a 32-bit resolution, and algorithms and parameters are computed with a floating-point resolution of even 40 bits. If there are no such powerful structures at hand, programmers will have to make compromises regarding the resolution (accuracy) again and again for performance purposes; so the weakest link in the processing chain will often determine the sound. With SHARCs, however, you never have to compromise: the highest resolution is maintained during the entire process without affecting the performance. You can hear it in the results.

Tom Keane



E Nomine



Many users support our philosophy:

"Even with all the money in the world, you can't buy this kind of plugins on any other platform. This is the side of Creamware I love most, the choice we have in originality over conformity. I also love the possibility to adapt my workflow as needed. SFP routing is a unique must have for all studio. Those who don't know, are those who didn't try."

Marc Deschamps, Montreal

"Sound quality ... you can achieve world standard in your home studio."

Nestor McNeal, Nashville

"SCOPE is a true miracle: it fits the DAW based artist/producer who's totally independent from external gear - as well as the one who wants to incorporate exactly that equipment. One can use it in colabration with a sequencer - as well as in old fashioned 'tape-like' recording style."

Thomas Frecksmeier, Steinhagen

"The environment, which allows users to freely connect and daisy-chain any plug-in, synth, mixer, or wav/ASIO audio software from whatever company, with anything they want in a total-recall and midi-controllable environment."

Ernest Norton, Los Angeles

"Six-String sounds so fat, you forget it's a plug-in. If you're working on a ballad, or a hype jam, Six-String sounds killer!"

Tom Keane, Grammy nominee and Golden Globe Award winner,
producer/songwriter/arranger for Barbara Streisand, Chaka Kahn, Celine Dion

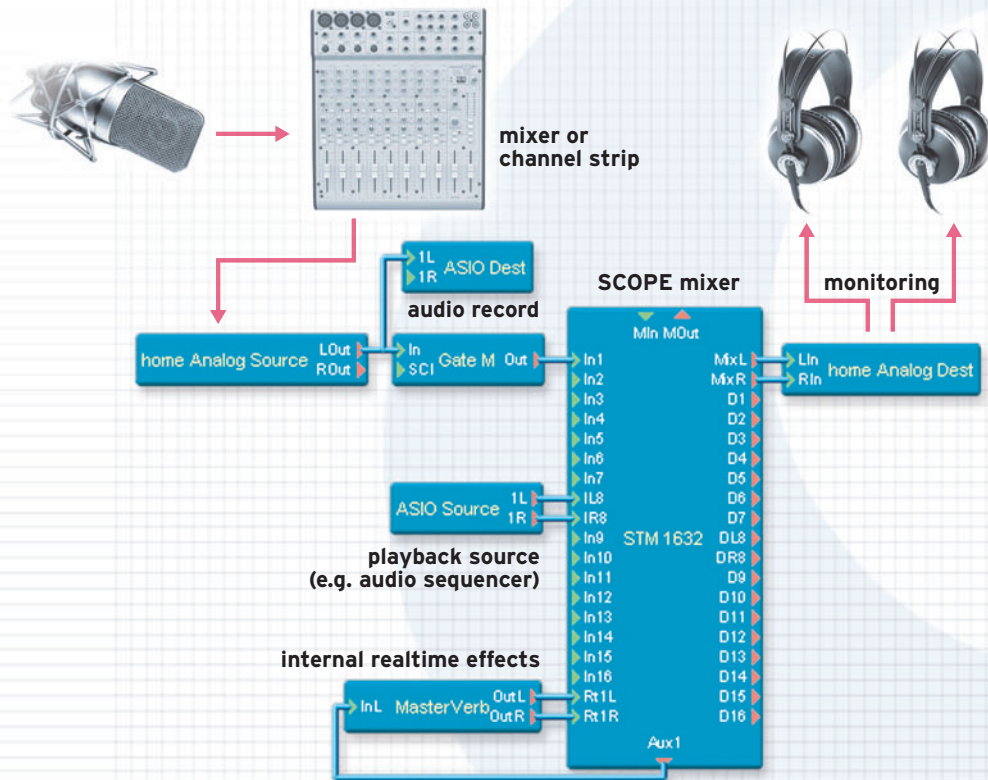
"No other system combines such a variety of quality production tools with such an intuitive and flexible user interface. Let alone the brilliant powerful sound of the CreamWare instruments."

E Nomine, German dance act



recording vocals

Routing-Setup: vocal recording with SCOPE-effects in realtime with latency free monitoring

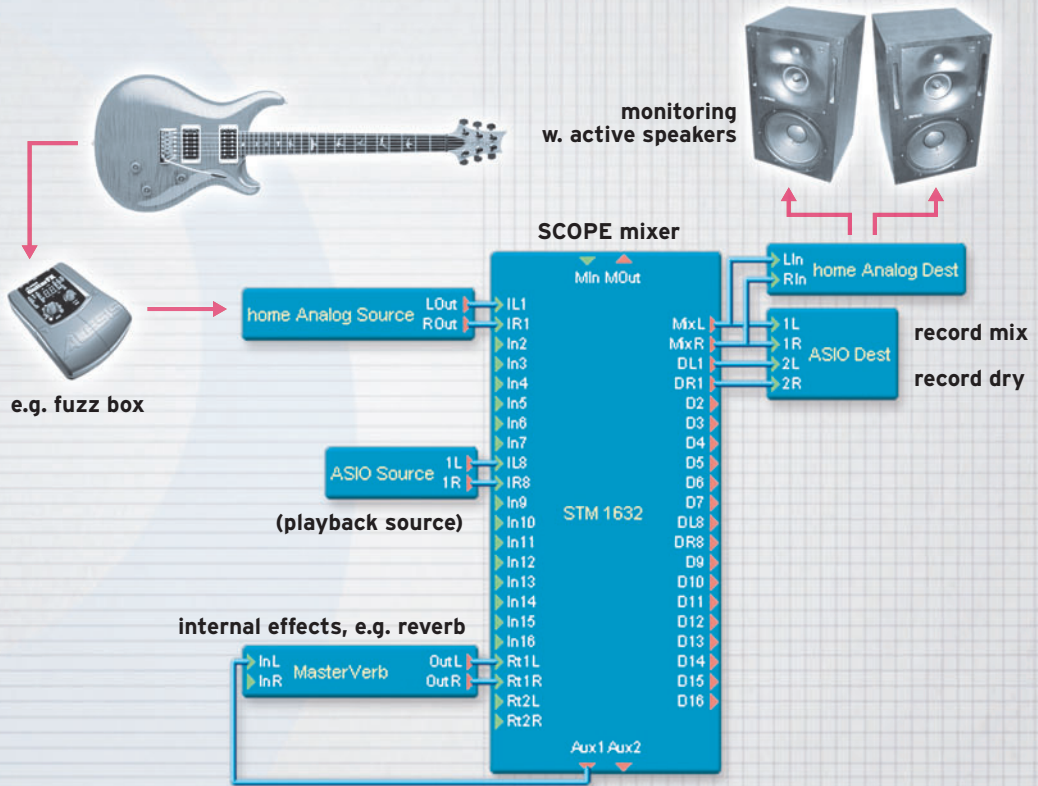


Simple routing setup for vocal recording: The microphone signals are routed via a mixer or channel strip into the analog input of the SCOPE board (Analog Source). The board is in charge of signal processing and computer communication. The analog output (Analog Dest) of the SCOPE board is connected to the mixer, amplifier, or phones amp for monitoring purposes.

With this setup, the dry vocals are recorded via the ASIO Destination. The sequencer arrangement (ASIO Source) and the vocals plus reverb are fed to the monitoring bus. This creates a nice monitoring environment for the vocalist and allows for natural and relaxed singing.

recording guitars

Routing-Setup: guitar play & record with internal SCOPE effects in realtime



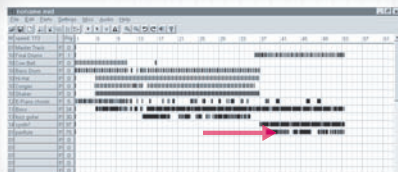
Simple routing setup for guitar recording: The guitar signal goes via a fuzz box into the Analog Source input of the SCOPE board. The analog output (Analog Dest) is connected to active speakers, a mixer, an amplifier, or a phones amp for monitoring purposes.

With this setup, the performance can be recorded via ASIO Dest either without effects or, for example, with a reverb effect. This allows for fundamental editing while no "perfect" take with effects will get lost.

A mix of the playback (ASIO Source) and the guitar signal plus the applied effects is routed to the monitoring bus.

playing & recording keyboards

Routing-Setup: keyboards play & record with sampler



sequencer MIDI playback

Sequencer Midi Source 1 Out → In home MIDI A Dest

In1
In2 Merger Out

home MIDI A Source Out → In Sequencer Midi Dest 1

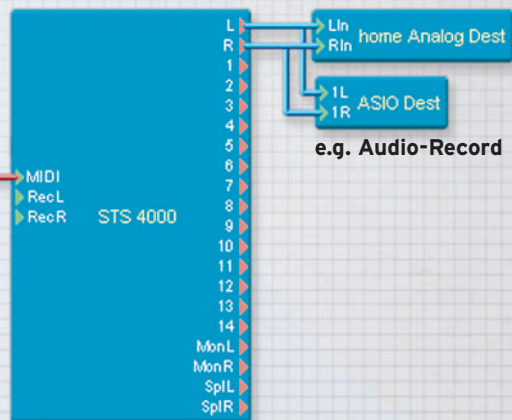
keyboard MIDI out (MIDI record sequencer)



monitoring with active speakers



sampler



e.g. Audio-Record

Simple routing setup for recording and playing the STS 4000 sampler: The keyboard sends MIDI data to the MIDI In port of the SCOPE board. At the same time, the player can use a MIDI sequencer to output a multitrack playback from the sampler or directly record additional MIDI data to the sequencer.

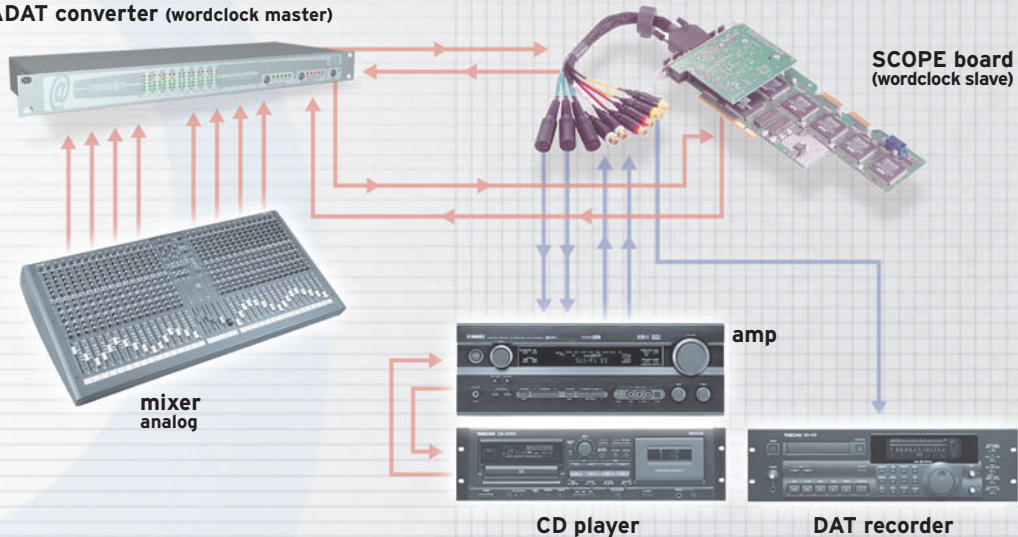
The sampler output is routed through the analog outputs to the monitoring system while the audio signal can simultaneously be recorded by the computer via ASIO Dest.

This module can be extended to 32/64 ports, allowing even for recording the individual outputs of the sampler to separate tracks. In addition, the sampler conserves PC performance because filters, envelopes, and modulations are computed by the SCOPE hardware; computer memory is only required for holding the loaded samples. The entire setup with all its settings is stored as a so-called project.

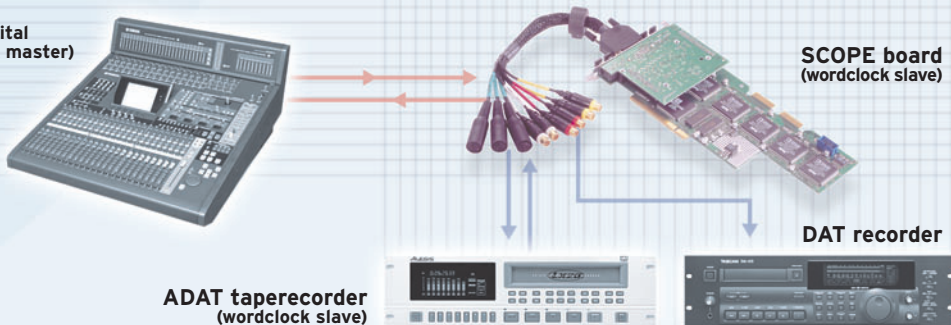
multi channel routing examples

These sample setups are truly quite simple but will provide you with an idea of how flexible the routing functions are and how simple it is to adapt the system to your individual configuration using more complex multichannel routing. The resources exist.

ADAT converter (wordclock master)



mixer digital (wordclock master)





Plug-ins and Modules for Mixing and Mastering

Already SCOPE home provides you with a powerful and creative collection for mixing, FX, and routing - with the contained Studio Tools Package and the Effects Package.

The standard pool includes two mixers and 34 top-class DSP effects. All mixers and effects operate "live", i.e. with no latency at all. Thus, they can be used for internal as well as external sources - unthinkable without DSPs.

MasterVerb
MasterVerb Classic
Kompressor
Limiter
Gate
Expander
Parametric EQ
4-Pole Filter

High Cut Filter
Low Cut Filter
Chorus
Flanger
Phaser
Delay
Dual Delay
Distortion

AutoPan
AutoWah
Decimator
Delay LCR
Delay LCR Long
Delay Long
Dither/Shaper
Dual Delay Long
Early Reflector

Harmonic Chorus
Harmonic Flanger
Hexa Chorus
Multitap Delay
Overdrive
Pitch Shifter
Resonator
RingModulator
Tremolo



The highlights of the collection are the extremely warm Hexa Chorus and the exceptional MasterVerb - probably one of the best reverbs you've ever heard. Its sound is so dense and smooth that one might suppose it to be a large studio processor. But the other effects do sound excellent, too, and are perfect for a multitude of applications. This is no wonder: All our effects are computed using accurate 32-bit algorithms and are therefore perfectly suitable for 24-bit productions.

SCOPE home Mixer Features:

- STM 1632: 16 channel strips, mono/stereo switchable (up to 32 channels)
- STM 16 S: 16 channels, mixdown to six buses (L, C, R, Ls, Rs, LFE)
- 2 insert slots per channel, 2 master inserts
- 4 aux buses (pre/post switchable)
- individually enabled direct outs
- margin display and peak metering
- supports the creation of presets
- remote-controllable and automatable via MIDI controllers



SCOPE project and SCOPE professional are shipped with the “Mix Extension”. The highlight of this package is the deluxe STM 2448 Mixer – a professional mixing console that needs not shrink from comparison with large studio consoles but is nevertheless easy and intuitive to use.

SCOPE project Mixer Features:

- 24 channels strips (mono/stereo switchable)
- 8 recording busses (subgroups) with global routing matrix, 2 inserts per bus
- internal effects per channel: EQ (dynamic 4-band EQ with selectable filter type per band: peak, notch, high-pass/low-pass, high-shelf/low-shelf), compressor with sidechain, compensation delay
- 4 effects inserts and 1 direct out per channel
- 6 mono aux buses and 1 stereo aux bus, 2 inserts for the aux returns
- mute, solo, mix, solo defeat, exclusive solo, 8 fader groups, 8 mute groups
- master section with 2 switchable monitors, talkback, and 4 effects inserts
- 5 separate metering points within the channel strip for peak metering and margin display
- supports the creation of presets for individual channels, individual effects, and the entire mixer
- remote-controllable and automatable via MIDI controllers



SCOPE project and SCOPE professional even include the “Effects Extension” – a collection of 20 sophisticated studio effects: the chorus and flanger from the Master series, a MIDI-controlled filter and tremolo, tube-simulation effects, wild-sounding single-sideband processors, and many more.

DC-Filter
Deesser
Ducker
Ducking Delay
MasterChorus
MasterFlanger
MidiPole Filter
MidiTremolo
PatternDelay
RandomFlanger

SoftClip
SpaceFlanger
SSB ModDelay
SSB Modulator
SSB Phaser
StepFlanger
Stereo Expander
Tube Drive
TQ Drive
Vocoder III





Even better, each and every SCOPE professional unit is shipped with the **"Mix&Master Package"**, a collection of dazzling mix and mastering processors (optional for SCOPE project):

MasterVerb Pro

The MasterVerb Pro is a reverb to meet the strictest professional requirements. The already highly acclaimed algorithm of the MasterVerb has been revised and refined for the Pro version. New features provide for even more realistic impressions of space. And intuitive controls make working with the MasterVerb Pro unbelievably fast and satisfying.

OptiMaster - Intelligent Mastering Processor

OptiMaster includes all the tools you need for professional mastering! The processor combines a normalizer, multiband expander, compressor, and limiter into an extremely capable unit. The Wizard function can even analyze the audio signal and set the important parameters automatically. With the OptiMaster, your mix gains enormous penetrating power and volume in the blink of an eye.

PSY Q - Psycho Acoustic Processor

PSY Q is a powerful but easy to use tool for sound optimization. It is a professional psychoacoustic equalizer with an integrated stereo expander, a bass compressor, and a SoftClip unit.

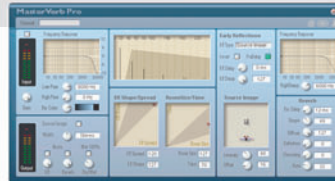
Bass tones are given additional impact and loudness, high frequencies have increased shimmer and "airiness", and the complete mix becomes more transparent and defined. PSY Q simply makes things sound good.

Vinco - High-End Vintage Compressor

Developed with the utmost care and precision, love of detail, and the best measurement instruments, Vinco emulates with absolute true-to-life accuracy the most popular, highest-quality, analog compressors. Vinco is the ideal tool to improve either individual tracks or an entire mix. Its outstandingly warm and fat sound sets a new standard for software plug-ins.

Vocoderizer 22-band Vocoder with Integrated Synthesizer

A freely configurable filter bank enables the Vocoderizer to emulate virtually any vocoder currently en vogue. The powerful internal synthesizer and loads of creative features combined with simplicity of use and outstanding sound make the Vocoderizer simply one of the most flexible and convincing vocoders to have.



The **“Mix Extension II”** is part of the “Mix&Master Package” as well. It contains two of probably the most capable software mixers ever: the STM 48 S Surround Mixer and the 96-channel STM 4896 Recording Mixer.

Surround is the sound of the future. If you are in DVD authoring, film scoring, post-production, or multimedia, you will love the STM 48 S. The surround mixer offers you 48 full-featured channels that can be mixed to up to nine surround buses.

The following surround formats are supported:

- 5.1 - for DTS and Dolby Digital (L, C, R, Ls, Rs, LFE)
- 6.1 - for Dolby EX (L, C, R, Ls, Cs, Rs, LFE)
- 7.1 - for SDDS (L, Lc, C, Rc, R, Ls, Rs, LFE)
- 8.1 - proprietary format, especially interesting for sound installations

In addition to the features of the STM 2448, each individual channel features a graphical X/Y matrix plus a dedicated LFE-channel control, allowing you to create your surround mix in a very direct and intuitive manner. Of course, this mixer can also be completely automated via MIDI controllers, so you can effortlessly record the spatial movements of your signals.

The STM 4896 likewise offers 48 channel strips that can be switched to stereo as needed. You can thus mix down as many as 96 signals with this top-grade virtual console! Naturally, this mixer offers all of the features of the STM 2448 as well.





In addition, the functionality of a SCOPE system can be enhanced by many more optional high-end effects. Here are but a few:

SPL Transient Designer

The Transient Designer is based on SPL's revolutionary concept of level-independent dynamic processing. This allows you to manipulate your sounds in an unprecedented way. Increase the presence of instruments in your mix. Make your sounds smoother by decreasing the attack. Optimize your mix and enhance its transparency.



Interpole - Stereo Analog Filter Bank

Wild filter modulations and warm analog feel for your digital production. Rhythmically chopped drum loops and pads, wicked stereo effects and funky guitar sounds. The Interpole filter bank offers all this and more. The basis is the legendary 24-dB filter of the most popular analog synth ever. Faithfully reproduced using CreamWare's Circuit Modeling technique, this filter makes Interpole an outstanding creative tool.



Adern Phil - Advanced Filtering Processor

Phil is an advanced and complex filter processor, with 38 new filter types and 1,444 filtering combinations. Dual multi-mode operation with extensive syncable modulation sources and 16 unique Distortion types. Signal chain is freely configurable with multiple routing options.



Adern GrainMiller - Real Time Granular Station

GrainMiller produces jaw-dropping results for Beat Re-Grooving, extreme Pitch Shifting, Time Scrambling, Freezing, Scratching, and many other futuristic effects. GrainMiller incorporates multiple granular synthesis engines, with triple mode operation, extensive syncable modulation sources, freely configurable signal chain and built-in Sample Player.



Orbitone Impressor

Impressor is a bundle of highly flexible dynamics processing units that can be used in many signal-processing applications, including as a compressor, limiter, de-esser, sidechain compressor, bass maximizer/minimizer, expander, gate and more. Impressor has its own punchy, smooth character, full of presence.





SCOPE as the Mothership of Sound Synthesis

What would our world of sound be without our synthesizers and samplers that tremendously enlarge the application spectrum and open up a fantastic range of sounds on the SCOPE platform?

A special highlight of all SCOPE versions is the Modular II synthesizer, which adds an impressive collection of virtual instruments to your system with its 80 ready-to-play synthesizers. These include synths with hundreds of sounds plus effects, sequencers, and drum computers. You can even create your dream machine from scratch! The Modular II offers a vast number of freely interconnectable software modules: oscillators, envelope generators, effects, pattern sequencers, filters, etc. It's everything you need to build your own synthesizers, drum computers, effect units, and more. Try them all out and create your very own sound. Or download free patches from the Internet. The sound will inspire you - have you ever heard a modular system that sounds so good?

SCOPE home and higher also contain the Sampler Pack with powerful DSP samplers, ranging from the down-to-earth STS 2000P sample player to the full-fledged STS 4000 studio sampler with up to 64 voices and the distinct advantages of DSP technology: optimum audio quality and ultra-fast playing response. Load your Akai S1000/3000 and soundfont patches and assign multiple instruments to separate tracks using the individual outputs. The combination of advanced sampling software and DSP hardware provided by the SCOPE platform ensures professional performance, stability, and absolute tightness.

The Best of Both Worlds

Recording functions, effects, and synthesizers can be used on the SCOPE platform at the same time without loading the computer's CPU. The performance of any DX or VST instruments you are using will not be affected by the SCOPE instruments or effects. Your audio/MIDI sequencer will run as usual in harmony with the SCOPE applications.

Even better: You can route your native signals into and "through" your SCOPE system, which allows you to connect and process every signal without latency using any SCOPE module. Thus, you can process the output signals of your software sampler with effects and mix them within the SCOPE platform.



SCOPE project and SCOPE professional contain the **Synth Extension** - a collection of 10 high-quality and versatile synthesizer models:

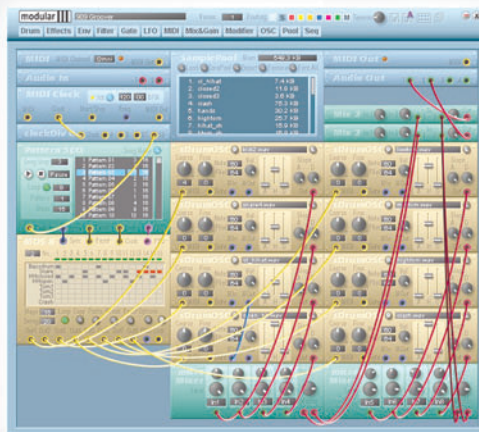
- Vectron Player: Vector synthesis guarantees breathtaking sounds.
- Lightwave: Wavetable synthesizer with 128 wavetables, two powerful filters, and an integrated effects section.
- Prisma: Fantastic-sounding virtual analog synth with an extensive modulation matrix.
- U KNOW 007: Another legend. Don't worry - you'll know it.
- Blue Synth, MiniSCOPE, EZ Synth: Various flexible analog synthesizers.
- EDS 8i: Analog drum synthesizer with eight instruments.
- Inferno: Ideal for fierce basses and wicked distorted sounds.
- Arpeg 01: Powerful but easy-to-use arpeggiator. Adds new motion to your music.

"The software synths available for this platform are among the best-sounding and most innovative I've seen yet."

Keyboard, USA

The mighty **Modular III** is part of SCOPE project and SCOPE professional, too. It offers not only all features of the popular Modular II but also more than 70 new modules and the Modular Remote Control that makes using the Modular III simpler and more convenient than ever before. More than 230 modules are available in the Modular III: new oscillators, filters, effects, sequencers, and many more features which will fire your imagination.

The Modular III includes altogether more than 100 ready-to-play synthesizer patches. The synthesis methods range from FM to analog synthesis, from additive and wavetable synths to sampling. And each of these patches comes with tons of presets. With its hundreds of sounds, the Modular III is an almost inexhaustible source of inspiration.



The **Synth&Sampler Pack** is an optional component of SCOPE project and a standard feature of SCOPE professional. With Minimax, Vectron, SB-404, EDS-16i, and STS 5000, this collection includes some very special highlights:

Minimax - THE analog synthesizer:

Minimax is the perfect emulation of one of the most popular synths ever. Never before has an analog synthesizer been digitally modeled with such precision and perfection. You will be sold on the punchy oscillators, the powerful filter, the ultra fast envelopes, and many more features that made the original instrument cult.



"The Minimax sounds exactly like the Minimoog. Full stop."

KEYBOARDS, Germany, 03/2003

Vectron v3.0 - Advanced Vector Synthesizer:

Based on advanced vector synthesis, the Vectron offers breathtaking new sounds. Extensive editing capabilities combined with an intuitive graphical user interface additionally make this instrument as much of a pleasure to use as it is to hear.



SB-404 Synthesizer:

Virtual analog mono synthesizer with integrated step sequencer - a thing that really rocks: 32 patterns to be selected live from your MIDI keyboard; 16 steps, each with separate settings for pitch offset and filter offset plus a free offset for panning or decay time; slide and shuffle functionality, and more. A synth for exclusive energetic sounds thanks to new morphing oscillators, new filters, and an integrated multi-effect section. THE synthesizer for dance, techno, and everything in-between.





EDS 16i v3.0 Analog Drum Synthesizer:

No samples! Dynamic virtual analog drum sounds for a mighty punch. You can edit up to seven parameters per instrument, allowing you to tweak them exactly the way you want them. Stereo output plus 16 individual outs. Includes 20 drum sets (dance, electro, classic, hip-hop ...).

STS 5000:

An extremely powerful and flexible DSP sampler allowing individual processing of all your programs within your current project thanks to a 16-part multitimbrality and a stereo output plus 14 individual outs. In addition to the standard features of a professional sampler, the STS 5000 supports replay of transposed samples via resampling, CPU-based time stretching/pitch shifting in real-time, and formant correction.

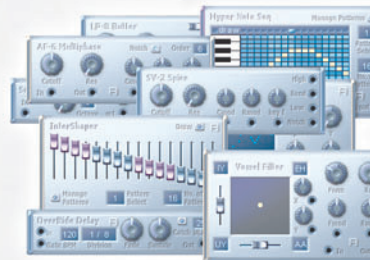
An increasing number of additional superb synthesizers - some of them made by CreamWare while others have been designed by third parties - **are optionally available for the SCOPE platform.** The following is an excerpt from our current product range:

Adern Flexor V2

An amazing set of over 100 DSP modules for the CreamWare Modular II and III synthesizers. A brand new collection of Oscillators, Wave Shapers, Granulators, over three dozen new filter types and many additional exciting tools. A must have for the serious sound designer. For more information see www.atern.com

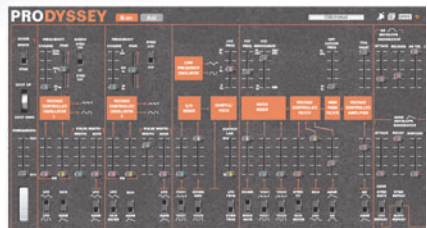
Zarg Solaris

A spectacular, semi modular multi-oscillator synthesizer from the synth design guru John Bowen. Ten oscillator pairs and four filters allow for creative and intuitive sound design. For more information see www.zargmusic.com



Prodysey Analog Synthesizer

With the Prodysey, a timeless piece of synthesizer history comes back to life: the ARP Odyssey. Thanks to its extensive modulation possibilities, a sample&hold section, and the special ARP filters, this perfect emulation of the original provides you with a cornucopia of high-class and very unique sounds. Over 500 presets are included.



proTone Analog Synthesizer

This one-to-one reproduction of the analog cult synth is the first fruit of an ongoing cooperation between CreamWare and former developers of this classic. All features of the original have been painstakingly recreated. Powerful, punchy bass and lead sounds as well as tripped-out effects and fat pads are the hallmark of the proTone.



"This instrument is a dead ringer for a Pro-One."

Craig Anderton, Keyboard 11/2003, USA

B-2003 Drawbar Organ

The B-2003 is a drawbar organ in the tradition of the venerable Hammond B-3™. All features of the original are accurately modeled. A fantastic sounding and highly versatile instrument - no matter whether you're into Rock, Pop, Jazz, Country or Dance music.



„Until now, the Native Instrument's B4 has been the best emulation of the legendary Hammond B-3 organ. Today, this accolade goes to the Noah B2003."

www.amazona.de

Six-String Physical Modeling String Instrument

Thanks to a new physical modeling technique, Six-String produces string-instrument sounds with a degree of realism unparalleled by any previous algorithm. Great not only for acoustic and electric guitars and basses but also for instruments such as sitars, dulcimers... and the sounds of hitherto unknown instruments.





Press comments:

"Pulsar II is a very solid and desirable package. Who wouldn't love a high-powered cross-platform audio interface that can run both effects and software synthesizers? The software synths available for this platform are among the best-sounding and most innovative I've seen yet."

Keyboard 06/2001, USA

"The audio quality of synthesizers and effects will absolutely convince even the most critical ears."

Amazona.de 06/2001, Germany

"SCOPE /SP realizes in a grand manner the vision of a flexible virtual music-production machine that - in its current incarnation - knows no competition and ranks high at the top of the technology scale."

Studiomagazin 04/2001, Germany

"All SCOPE /SP modules are of outstanding quality and need not shrink from comparison with the best of their hardware counterparts."

KEYS 04/2001, Germany

"Given its power and features, the price of the Pulsar II DSP engine is absolutely moderate - especially since the DSP concept takes load off the computer and causes virtually no latencies at all. This makes for professional working - at a fraction of the cost of a "real" studio setup."

PC & Musik 01/2002, Germany

"To call PowerPulsar an "audio interface" is like calling the Taj Mahal a house - technically correct, but conceptually wrong. There is no single, equivalent product that offers such a wide range of software to "accessorize" a virtualized studio and interface!"

EQ Magazine 03/2003, USA

"When I came to write the pros and cons section of this review, for perhaps the first time ever, I couldn't think of any immediately obvious reasons why someone shouldn't buy one of the products in the SFP family."

Sound On Sound 06/2003, UK

CreamWare Noah

Noah is more than a conventional synthesizer because it combines the innovative features of software plug-ins with the benefits of a traditional instrument. It can even be used as an independent multi-effects device with perfect audio quality.

Like a typical rack expander, Noah can be controlled and played via MIDI or USB on stage or in the studio. The four front-panel real-time controls or external controllers allow for direct manipulation of the sound. The USB port perfectly integrates Noah with your audio computer; as a side effect, you also get a high-quality low-latency USB audio interface.

The unique sound capabilities of Noah originate from its entirely flexible system architecture: the sound architecture is not "fixed" but only determined by what the loaded software plug-in does. This way it is possible to realize several entirely different "models" (synthesis forms) such as exact reproductions of existing classic sound machines. Well-done models always sound more dynamic and more sophisticated than samples. Also, in contrast to samples, real models provide you with access to many parameters that allow a wide adjustment of sound.

Noah is based on a design producing absolutely true emulations of existing electronic instruments. Because of the extensive controllability using software plug-ins, the system architecture even supports the implementation of entirely new synthesis methods.

Noah supports Windows and MacOS X, so it is the perfect synthesizing partner for your ProTools™ system. While Noah is controlled from the plug-in software running on the ProTools™ computer, it feeds its output directly into the ProTools™ hardware via its ADAT output.

Noah Instruments:

Minimax (see page 25)

B2003 (see page 27)

Vectron Player (see page 25)

LightWave, proTone (see page 27)

Vocoderizer





The Secret of the Noah Sound

True 1:1 modeling of analog instruments is achieved by reshaping the original circuitry with all its electric components and special features using uncompromising DSP technology. This even takes into consideration the particular characteristics of analog technology such as the fact that high frequencies exceed the audio range, thus generating perceivable sidebands critical for the sound. To cope with this complexity, we decided to prefer audio quality to the implementation of more voices. And listening to the sound, we have a strong feeling that this was right.



High-end Effects: The effects section of Noah offers more than 40 algorithms including the top-quality MasterVerb reverb, the 22-band Vocodizer, and the Interpole analog filter bank, plus many more modulation and dynamic effects. The effects are produced with the uncompromising audio quality typical of the SCOPE platform; due to the audio inputs, they can be used for external sources, too - even at the same time as the synthesizers.

Optional Noah instruments:

Prodysey (see page 27)



SixString (see page 27)



Noah is available in the following versions:

- standard (2 instruments at a time)
- EX version with twice the power (4 instruments at a time)

An expansion kit is available for a later upgrade of the standard version to the EX version (see page 33).

Press Quotes on Noah:

"Once you hear [the plug-ins] in action, you'll understand why Creamware fans border on the fanatical. Noah's soft synths radiate presence, power, and transparency"

EQ Magazine 11/2003, USA

"Noah is a great concept done well: the remote-control software adds a great degree of flexibility, the built-in audio and MIDI USB interface is a nice touch, and the instruments sound great, which is surely the most important point."

"I have to admit that I'm a confirmed advocate of software-based systems, and I wouldn't normally be seen dead with 2U hardware rack unit or effects unit in my studio. However, I'd make an exception for Noah - it's a highly desirable instrument."

Sound On Sound 07/2003, UK

"Everything we've seen leads us to believe that this new system can only go from strength to strength." "Minimax is perfect for pulsating lead lines which could well move mountains in its lower register." "...A mammoth of presets which offer a mind-boggling trip down Memory Lane."

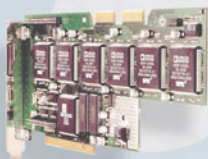
Music Tech Magazine 09/2003, UK

"This is a righteous musical instrument that places sound quality above all else. Don't audition it unless you're prepared to get a serious case of gear lust." „Minimax: This Minimoog emulator is so accurate it's scary." "The effects are not an afterthought. Vocoder is outstanding." "The bottom line is that CreamWare's soft synths sound fantastic, and if you want to use them live (or in the studio, for that matter), Noah is definitely more convenient than toting a computer around with a Pulsar system."

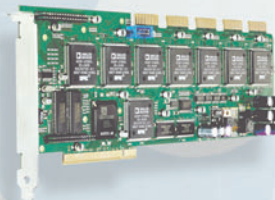
Keyboard 11/2003, USA

SCOPE Platform Options

SCOPE 6-DSP Booster Board



SCOPE 14-DSP Booster Board

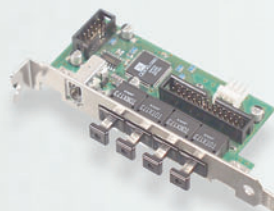


The SCOPE Booster Boards provide uncomplicated power doubling/multiplying for SCOPE systems. With a SCOPE Booster Board, you add the unbelievable power of 6 or 14 (!) high-performance DSPs to your system. Thanks to the advanced S/TDM bus, the transfer of audio signals between stacked DSP cards does not rely upon the PCI bus. The addition of a Booster Board thus produces the same increase in overall system performance as would occur if the primary card itself suddenly had the same number of additional DSPs!

Up to three boards can be stacked via S/TDM, so a SCOPE system can be expanded to 42 DSPs. In addition, the boards of the standard products providing I/Os can be freely combined, too. Thus, integrating a project system, a home system, and a SCOPE home I/O expansion gets you a setup with 56 inputs, 56 outputs, and 9 DSPs.

SCOPE home I/O Expansion

With its 2 ADAT ports and 1 Z-Link interface, this I/O expansion board expands the standard system by 24 extra inputs and outputs. It also provides connectivity to the Sync Plate. The SCOPE home I/O Expansion is connected to the DSP board via a ribbon cable and does not require a PCI slot.



Z-Link allows for connecting the CreamWare A16 Ultra AD/DA Converter. A single Z-Link cable transmits 8 channels in both directions (duplex, i.e. in and out) in full 24-bit/96-kHz quality. The SCOPE home I/O Expansion permits the direct use of all 16 channels offered by the A16 converter with a home board.

Sync-Plate - BNC Wordclock & ADAT 9-pin I/O

The Sync Plate permits seamless integration of SCOPE-platform systems into professional studio environments. BNC wordclock I/O and ADAT 9-pin inputs and outputs provide the necessary interfaces to external hardware. The Sync Plate allows synchronization and control of external ADAT machines. Sample-word accurate sync between tape and hard disk can also be easily achieved.

The connection to project and professional systems is established via a standard ribbon cable. home systems equipped with the home I/O Expansion can likewise be upgraded with the Sync Plate.

NOAH Options:

NOAH EXpansion Kit

In addition to the NOAH standard version, there is also an EX version that features twice the power for the synthesis engine. It lets you use up to four instruments simultaneously (while the standard version is limited to two instruments). It is possible to upgrade a NOAH to the EX version with the optional NOAH EXpansion Kit.



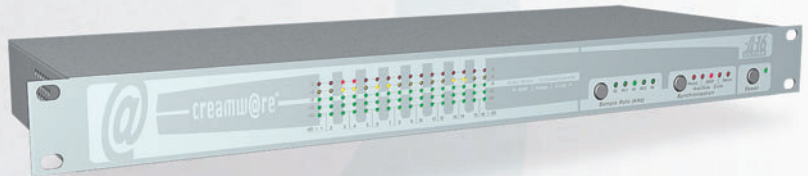
A16 Ultra - Professional 16-Channel AD/DA Converter

The A16 Ultra is a high-quality flexible AD/DA converter. With 16 analog inputs and outputs delivering uncompromising sound, and with two ADAT interfaces and two Z-Link interfaces for system interfacing, the A16 Ultra is outstandingly well suited for use in all kinds of studio setups.

Whether you're working with I/O cards, digital mixers, or digital musical instruments - the A16 Ultra converts your digital data streams reliably and professionally to audio signals. Likewise, it brings your analog signals into the digital domain with absolute fidelity.

The A16 Ultra carries on the tradition of the successful A16 converter. It offers the features that made the A16 so popular, combined with fully up-to-date technology.

The two Z-Link ports allow for a bidirectional transport of 16 channels in 24-bit/96-kHz quality. When using a SCOPE project or SCOPE professional system with the Z-Link I/O option installed, the A16 Ultra directly connects to the board with no need to waste another ADAT port. The SCOPE home board equipped with the home I/O Expansion offers 2 Z-Link ports, providing seamless connectivity with the A16.



A16 Ultra Highlights at a Glance:

- 16 analog inputs and 16 output, fully balanced and equipped with uncompromising 24-bit/96kHz converter technology
- 2 independent ADAT interfaces (2x8 24-bit channels, or 1 x8 channels with up to 96 bits via S-Mux)
- 2 duplex Z-Link interfaces for 16 channels (24 bits, 96 kHz)
- BNC wordclock I/O
- 16 VU meters for precise metering
- memory function (remembers all of its settings when you power it down, etc.)
- ultra-compact construction (packs concentrated technology into a single-height 19" rack unit)

The CreamWare Community


There are more benefits in using CreamWare products thanks to a competent SCOPE platform community: There is a highly active Internet community of professional and ambitious users discussing the SCOPE platform and related subjects. Users can exchange views, and even typical newbie questions will be answered quickly and patiently. You will soon appreciate the friendliness and helpfulness in the communities.

There is virtually no problem that has not been solved yet: whether it is the setup of unconventional configurations, the selective search for a special-purpose studio tool or an amazing synth patch. You will find information on cutting-edge plug-ins and patches programmed by developers who often make their creations freely available to other users just for fun. We are happy and proud that these communities have developed independently from us – just because users are convinced of the power of our products. Probably the most important community can be found at www.planetz.com.

The CreamWare Online Shop

All software packages and plug-ins can be obtained via authorized dealers. But what if you are in the midst of a production and desperately need a certain component – at midnight, for example? No problem: Download what you need from our online shop using your activation key - the shop is open 24/7.

www.creamware.de



For more information, refer to your CreamWare dealer or visit our website at **www.creamware.de**

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